

Notice of Allowability	Application No.	Applicant(s)	
	10/782,967	KATAYAMA, NAOKI UK	
	Examiner	Art Unit	
	Alfred E. Dudding	2853	

-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 23 February 2003.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☒ The drawings filed on 23 February 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>2/23/2003</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input checked="" type="checkbox"/> Other <u>claim renumbering</u>. |
|--|--|

DETAILED ACTION

Allowable Subject Matter

1. Claims 1 – 24 are allowed.
2. The following is an examiner's statement of reasons for allowance:
 - a. The primary reason for the allowance of claims 1 – 24 is the inclusion of the limitations of a cartridge detecting device for detecting a state of a cartridge to be removably installed on a working device having a non-reversibly changing member disposed in the passage, and a projecting member insertable into the cartridge, at a predetermined distance from the passage opening, the non-reversibly changing member being changeable from a first state for a first relationship with the projecting member, to a second state for a second relationship with the projecting member, the non-reversibly changing member being unable to change from the second state back to the first state. It is this limitation found in each of the claims, as it is claimed in the combination, that has not been found, taught, or suggested by the prior art of record which makes these claims allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

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a. Shinada et al. (U.S. 6,547,363 B1) discloses a removably installed cartridge, Figure 19, element 8, a non-reversible member (element 8g) disposed in the ink passageway (element 8c), and an projecting member insertable into the cartridge, element 34. Shinada et al. fail to teach the claimed invention of a non-reversibly changing member disposed in the passage, and a projecting member insertable into the cartridge, at a predetermined distance from the passage opening, the non-reversibly changing member being changeable from a first state for a first relationship with the projecting member, to a second state for a second relationship with the projecting member, the non-reversibly changing member being unable to change from the second state back to the first state.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alfred Dudding whose telephone number is (571) 272-2144. The examiner can normally be reached on Monday-Friday from 7:00 AM to 3+:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier, AU 2853, can be reached at (571) 272 - 2149. The fax phone number for this Group is are (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0956.


Stephen D. Meier
Primary Examiner

Alfred Dudding


6/4/03

Renumbering of Claims

Attachment to Paper #

The claims have been renumbered as indicated below in accordance with 37 CFR 1.126 and MPEP §§ 608.01(n) and 1302.01.

- = 1 -> 1
- = 2 -> 2
- 3 -> 3
- = 4 -> 4
- 5 -> 5
- 6 -> 6
- 7 -> 7
- 8 -> 8
- 9 -> 9
- 13 -> 10
- 15 -> 11
- = 10 -> 12
- 11 -> 13
- = 12 -> 14
- 14 -> 15
- 16 -> 16
- = 17 -> 17
- 18 -> 18
- = 19 -> 19
- 20 -> 20
- 21 -> 21
- 22 -> 22
- 23 -> 23
- 24 -> 24